

Rev02  
 Update: Aug,08,2025

**DATASHEET**

# SERPINF2/A2AP, His, Cynomolgus

Cat. No.: Z04910

## Product Introduction

<b>Species</b>	Cynomolgus
<b>Protein Construction</b>	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> <b>SERPINF2/A2AP (Met27-Lys490)</b>  <b>Accession # A0A2K5WNU6</b> </div> <div style="background-color: #76923c; color: white; padding: 5px; text-align: center; margin-left: 10px;"> <b>His</b> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px; font-size: small;"> <span>N-term</span> <span>C-term</span> </div>
<b>Purity</b>	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
<b>Endotoxin Level</b>	Less than 1EU per µg by the LAL method.
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized SERPINF2/A2AP, His, Cynomolgus at 2µg/ml (100µl/Well) on the plate can bind AntiSERPINF2 Antibody, hFc Tag. Test result was comparable to standard batch.
<b>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	52.83 kDa
<b>Apparent Molecular Weight</b>	Due to glycosylation, the protein migrates to 60-70 kDa based on Bis-Tris PAGE result.
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage &amp; Stability</b>	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

## Background

**Target Background :** Large-pool solvent/detergent (SD) plasma for transfusion exhibits reduced alpha 2-antiplasmin (alpha2-AP; SERPINF2) functional activity. The reason for the loss of alpha2-AP has not been described and could be due to the SD incubation itself and/or to the processing steps implemented to remove the solvent and the detergent.

**Synonyms :** Alpha-2-AP; AAP; PLI; SERPINF2; A2AP; ALPHA-2-PI; API; Serpin F2

**For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.**

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